Subject

MIL "ON" - (P0335 and/or P0340) Due To Low Battery Voltage

Market: USA

Service Category: Engine/Hybrid System

Section: Engine Control

Applicability: All Vehicles

APPLICABLE VEHICLES

1994 and Later Models (non- hybrid & hybrid)

CONDITION

Low battery voltage can contribute to a MIL "ON" condition for P0335 (Crankshaft Position Sensor Circuit) and/or P0340 (Camshaft Position Sensor Circuit) due to inconsistent rotational speed of the engine's crankshaft.

RECOMMENDATIONS

- Review the vehicle's Freeze Frame Data (FFD) and verify if the battery voltage was below the minimum specification of 11 volts when the DTC was set.
- If battery voltage was below the minimum specification, determine cause and repair accordingly.
- If the battery voltage is within specification, refer to the appropriate repair manual procedure for the applicable DTC.
- The following Freeze Frame Data example indicates battery voltage was only ~6.3 volts when DTC P0335 was set.

Dealer:

Mil Log Type: DTCFFD

Log Timestamp:

DTC Code: P0335

Information Code:

Info Code / Freeze Frame Data

Parameter	-3	-2	-1	0	1	Units
Vehicle Speed	0	0	0	0	0	MPH
Engine Speed	0	0	0	0	0	rpm
Calculate Load	0.0	0.0	0.0	0.0	0.0	%
Vehicle Load	0.0	0.0	0.0	0.0	0.0	%
MAF	0.39	0.39	0.39	0.39	0.40	gm/sec
Atmosphere Pressure	-0	-0	-0	-0	-0	psi(gauge)
Coolant Temp	111	111	111	111	111	F
Intake Air	97	97	97	97	97	F
Ambient Temperature	84	84	84	84	84	F
Engine Run Time	0	0	0	0	0	s
Initial Engine Coolant Temp	111.7	111.7	111.7	111.7	111.7	F
Initial Intake Air Temp	97.2	97.2	97.2	97.2	97.2	F
Battery Voltage	6.445	6.386	6.347	6.328	6.328	V
Accel Sens. No.1 Volt %	15.6	15.6	15.6	15.6	15.6	%
Accel Sens. No.2 Volt %	31.7	31.7	31.7	31.7	31.7	%
Throttle Sensor Volt %	15.6	15.6	15.6	15.6	15.6	%
Throttl Sensor #2 Volt %	47.0	47.0	47.0	47.0	47.0	%
Throttle Sensor Position	0.0	0.0	0.0	0.0	0.0	%
Throttle Motor DUTY	15.6	15.6	15.6	15.6	15.6	%

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